What is claimed is:

1. A protease inhibitor represented by the following structure:

wherein

5

SSECTO OSCIPLIA

R₁ is selected from the group consisting of hydrogen, carbobenzyloxy-, carbobenzyloxy-valine-, carbobenzyloxy-glycine-valine-, carbobenzyloxy-alanine-valine-, carbobenzyloxy-leucine-valine-, carbobenzyloxy-phenylalanine-valine-, carbobenzyloxy-serine-valine-, carbobenzyloxy-alanine-asparagine-, carbobenzyloxy-threonine-valine- and carbobenzyloxy-valine-valine-;

 R_2 is selected from the group consisting of $-CH_2$ -Phenyl, and $-CH_2$ -CH(CH_3)₂;

 R_3 is selected from the group consisting of hydrogen, oxygen and hydroxyl; R_4 is selected from the group consisting of hydrogen, oxygen and hydroxyl, wherein R_3 and R_4 are not both hydroxyl and wherein R_3 and R_4 are either a single combined oxygen forming a carbonyl group;

 R_5 is selected from the group consisting of hydrogen, and oxygen; R_6 is selected from the group consisting of hydrogen, and oxygen, wherein R_5 and R_6 are either a single combined oxygen forming a carbonyl group or both seperately hydrogen;

20

A

~ 25

5

20

R, is a radical represented by the formula:

wherein R_8 is a radical selected from the group consisting of - $(H)_2$, and -H(t-Butyl).

2. A protease inhibitor represented by the following structure:

$$R_1 - N = \begin{bmatrix} OH & R_2 \\ \hline \bar{R}_2 & R_3 \end{bmatrix} N \cdot R$$

ISETOH+ OEGEOO wherein R_1 is a radical selected from the group consisting of hydrogen, carbobenzyloxy-, carbobenzyloxy-valine-, carbobenzyloxy-glycine-valine-,/carbobenzyloxy-alanine-valine-, carbobenzyloxy-leucine-valige-, carbobenzyloxyphenylalanine-valine-, carbobenzyloxy-serine-valine-, carbobenzyloxy-thrednine-valine-, carbobenzyloxy-alanine-15 asparagine- and carbobenzyloxy-valine-valine-; R_2 is selected from the group consisting of $-eH_2$ -Phenyl, and $-CH_2$ -CH(CH₃)₂; R₃ is a radical selected from the group consisting of hydrogen, and -OH.

3. A protease inhibitor represented by the following structure:

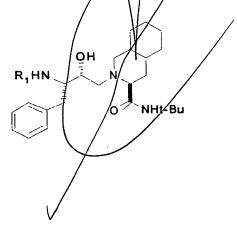
R₁-HN N N NHR₂

wherein

R₁ is a radical selected from the group consisting of hydrogen, carbobenzyloxy-, carbobenzyloxy-valine-, carbobenzyloxy-glycine-valine-, carbobenzyloxy-alanine-valine-, carbobenzyloxy-leucine-valine-, carbobenzyloxy-phenylalanine-valine-, carbobenzyloxy-serine-valine-, carbobenzyloxy-threonine-valine-, carbobenzyloxy-alanine-asparagine- and carbobenzyloxy-valine-valine-; and

 R_2 is a radical selected from the group consisting of - $(H)_2$, and -H(t-Butyl).

4. A protease inhibitor represented by the following structure:



20

15

wherein R, is a radical selected from the group consisting of hydrogen, carbobenzyloxy-, carbobenzyloxy-valine-, carbobenzyloxy-glycine-valine-, carbobenzyloxy-alanine-valine-, carbobenzyloxy-leucine-valane-, /carbobenzyloxyphenylalanine-valine-, carbdbenzyloxy-serine-valine-, AVAILABLE COPY carbobenzyloxy-threonine-valine-, carbobenzyloxy-valine-

A protease inhibitor represented by the following structure:

valine- and carbobenzyloxy-alanine-asparagine-.

wherein R₁ is a radical selected from the group consisting of hydrogen, carbobenzyloxy-/, carbobenzyloxy-valine-, carbobenzyloxy-glycine-valine-/ carbobenzyloxy-alanine-valine-, carbobenzyloxy-leucine-valine-, carbobenzyloxyphenylalanine-valine-, darbobenzyloxy-serine-valine-, carbobenzyloxy-threonine-valine-, carbobenzyloxy-valinevaline- and carbobenzyloxy/alanine-asparagine-.